Special Issue

Fabrication and Application of Carbon Nanotube Films and Fibers

Message from the Guest Editor

Carbon nanotubes (CNTs), as one of the allotropes of carbon, have been investigated by researchers for decades due to their outstanding optical, electrical, chemical, and mechanical properties. In addition to these properties, CNTs are environmentally stable. CNTs have been incorporated into thin films and fibers for specific applications due to their excellent optoelectronic and mechanical properties, respectively. The Special Issue aims to collect the latest advances in the fabrication and application of CNT films and fibers. It will cover various topics, including, but not limited to, dry and wet deposition of thin films, dry and wet spinning of fibers, and applications ranging from optoelectronics to mechanics, e.g., photodetectors, photovoltaics, gas sensors, conductive fibers, mechanical applications that present the tensile strength of fibers, and composites consisting of CNT films or fibers. Topics such as mechanism investigation, advanced characterization techniques, and flexible/stretchable/wearable devices are especially welcome.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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